

ABSTRACT:

A lighting device is described with an optical waveguide plate (1) which comprises a light emission surface (11) and a plurality of channels (20) each with at least one substantially linear light source (21), which device is suitable in particular for use as a backlight in a liquid crystal display, such as an LCD picture screen, or for use as a planar light source. The lighting device is distinguished in particular in that the channels are provided with a reflecting first layer (204) at their upper sides (203) facing the light emission surface (11), and in that the coupling of light into the optical waveguide plate takes place through side walls (201, 202) of the channels.

Fig 1

10050259.011502